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What and When to Plant



Our City Show Rooms, Ninth and Olive

ROSE BULLETIN

SEASON of 1929

WE ARE pleased to send you this, our latest issue, of What and When to Plant, which is devoted entirely to the Rose, a subject which is always of keen interest to garden lovers. From days of old the Rose has held its place as Queen of Flowers and from its throne of beauty rules the realm of bloom. It needs no eulogy, for Nature conceived it in one of her loftier moods; and though it has been the inspiration of poet and painter, no subtleties of art can enrich such a masterpiece.

Its place in commercial life creates a constant demand upon the resources of the world's rose growers, not only for current standard sorts, but also for sterling novelties. Signal honor accrues to the Rosarian who produces a new type of such merit as to pass the rigid test of official examination.

Howard & Smith's stock is known throughout the rose world for its high grade quality of both standard roses and novelty types, and of the latter has twice earned the highest award given in international competition.

Now is the time to plant vigorous two-year-old bushes such as we are offering from present stock which comprises within its range the world's finest varieties.

PLANT NOW AS NOW IS THE TIME TO PLANT

Howard & Smith

Nursery
Department

NURSERYMEN, FLORISTS
LANDSCAPE ARCHITECTS

MONTEBELLO,
CALIFORNIA

The ROSE

WE have long made the rose our leading specialty and have for years devoted an immense amount of energy, time and money in developing the best method for the production of plants, as well as the testing out of the various novelties which appear from year to year both in Europe and America. In addition to this we have carried on extensive experimental work in the production of new hybrid roses of our own. The result we have obtained in the production of new varieties by means of scientific hybridization is well exemplified in such magnificent varieties which found their origin at our nurseries as Los Angeles, Miss Lolita Armour, Mrs. Lovell Swisher, Mrs. W. C. Egan, Josephine Thomas, Wm. F. Dreer and others. These roses through their own intrinsic worth have received recognition in all parts, two of them were awarded the premier gold medal at the International trials, Bagatelle Garden, Paris, France, an honor which has come to this country on three occasions only and was twice awarded to us.

By special arrangement with some of the leading European rose growers, whose novelties are world famous, we are able this season to place before you the very latest varieties, disseminating them here at the same time they are put on the market in Europe. This arrangement will prove of great advantage to our customers, as it will enable them to have their rose gardens replete with the latest improvements in this, the queen of flowers. In no single year in the history of our firm have we been able to offer you so many fine varieties, each and every one of which is worthy of a place in the finest collection.

One important feature of our roses is that they are all heavy two-year-old stock. They are budded low on vigorous growing Ragged Robin roots and possess a vigor which can only be imparted by such a stock as that upon which they are worked. They will give a larger and heavier production of bloom than any own root rose possibly could.

The list of varieties, which we submit for your consideration, although not a long one, comprises such varieties which, after careful tests, we have found to be the best in their respective colors and general characteristics. With proper care, they will give you splendid results and with the recurrence of each season, an increased wealth of bloom.

NOVELTY ROSES FOR THE SEASON OF 1929

The following are all especially fine varieties which have been subjected to a rigid test at our Rivera trial grounds to determine their worth, prior to placing them in the hands of our customers.

This season we are offering you, amongst others, a novelty of our own raising, a new Rose and one which we believe is of outstanding merit. We refer in particular to our new variety Miss Rowena Thom. Some charming new colors and combinations of colors are to be noted in the other varieties which comprise this set. We are certain they will please you.

A Sensational Novelty for 1929

Our New Rose—Miss Rowena Thom

This superb variety is the result of a cross between Radiance and Los Angeles and combines the good qualities of both parents, as is well demonstrated by its exceedingly vigorous habit and its performance in the production of bloom. It maintains an unbroken succession of buds and open flowers throughout the entire Rose season. The buds are long and pointed and open to a flower of impressive size and substance. It is not unusual to see open blossoms 5½ inches and over in diameter. The petals in a developed flower are fully 3 inches across. Notwithstanding the fact that the flower is of immense size, it has not the slightest trace of coarseness. It is intensely fragrant, a quality too often lacking in modern Roses.

The color is a glorious shade of oriental rose, shading lighter toward the outer portion of the flower. The reverse of the petals in the opening buds is overlaid with golden bronze. There is a glow and fire about this Rose which is totally lacking in Radiance. This latter quality it has inherited from the pollen parent, Los Angeles.

We are firmly of the opinion that this Rose is destined to become one of the most valuable of garden Roses. Its wonderful vigorous growth and its performance in bloom production are unequalled by any other Rose known to us. The illustration conveys but a faint impression of the size and beauty of this Rose, but will serve in small measure to furnish an idea of its beautiful form. Radiance has always been a popular Rose on account of its free growing and free flowering qualities. Miss Rowena Thom might be relatively referred to as a Radiance glorified in all its parts. It was awarded the Silver Medal of the American Rose Society at the Pasadena Horticultural Show during the past fall. Reports from various sections where we have sent this Rose for trial are commendatory to a degree.

Price each, \$2.50



Miss Rowena Thom

DUCHESS OF ATHOL. This is a magnificent Rose any way you take it. The plants are of exceptionally vigorous growth and the foliage practically mildew-proof. Its color is a lovely shade of golden bronze, flushed with orange and peach pink. There were but few Roses in our fields during the past season which showed to better advantage than this lovely variety. Most of our customers are well acquainted with that lovely variety Angele Pernet. We regard the Duchess of Athol as a vast improvement over this sort, the color being more or less the same, but greatly intensified.

Price, each \$2.00

JULES GAUJARD. One of Mr. Pernet's seedlings offered for the first time this year. A lovely shade of cochineal crimson, suffused with gold. As the flowers mature they turn to a lovely shade of orange rose. The beauty of the combination of colors to be noted in this Rose absolutely baffles description. Those of our customers who were fortunate enough to see our trials during the past season were unanimous in extolling the beauties of this variety. It is a Rose which is absolutely different and one which we are certain will grow in popular favor when better known.

Price each, \$1.50

LADY MARY ELIZABETH. Another worth-while novelty and a distinct break in color, the latter being

a pure, even shade of deep carmine pink. The flowers are delightfully fragrant, borne in wonderful profusion. The buds are long and pointed, beautifully revolute in form, expanding to flowers of splendid shape and well displaying their unique color. The growth in this new Rose is particularly strong, and the plants produce an unbroken succession of fine buds and flowers from early spring to late autumn. A splendid cutting variety, particularly rich and bright under artificial light.

Price each, \$1.50

MARION CRAN. A remarkably beautiful new Rose containing a wonderfully beautiful combination of colors. The buds are deep buttercup yellow, margined and flushed with cerise and rosy scarlet. The open flower is a brilliant Geranium scarlet flushed and veined with orange and yellow. The habit is bushy, but free and upright. It is a perpetual flowering variety, the plants being constantly covered with an array of perfect buds and open blooms.

Price each, \$2.00

MAD. HENRI QUEUILLE. A novelty for the current year raised by that celebrated French rosarian, Mr. Pernet-Ducher, and quite in line with the quality of other introductions from this famous raiser. To our mind this is one of the most beautiful Roses of its color ever introduced, and might be described as a light colored form of the well-known variety Souv. de

Georges Pernet. It is a delightful shade of orange pink. It resembles Souv. de Georges Pernet in the formation of flower and habit of growth. The blossoms and buds are of absolutely perfect formation; a free bloomer and vigorous grower. We have only a limited stock of this Rose to offer this year. The plants, however, are of splendid quality.

Price each, \$2.50

PATIENCE. A magnificent new Rose of European origin and, in our opinion, one of the most remarkable advances by way of color ever offered in a Rose. The color in the young stage is a lovely shade of carmine lake overlaid with bronze. In the open flower the blossoms show a deep orange base, merging to orange scarlet with a marbeling of carmine lake. There is a

commingling of colors in this new Rose almost impossible to describe.

The buds are long and pointed and expand into a flower of splendid form and substance. Deliciously fragrant.

Price each, \$2.00

PRINCESS MARIE JOSE. A superb new Rose and one of the most brilliant color combinations which has yet come to our notice. The basal ground color of the flower is deep orange, beautifully overlaid and merging to deep vermillion. The reflex of the petals is deep cadmium yellow marbled with vermillion. The buds are of exquisite form, with full, high centers, just the ideal of what a perfect rosebud should be. Growth very vigorous and very free in its production of bloom. An exquisite variety for cutting and equally valuable as a bedding Rose, its lovely combination of colors attract the attention at once.

Price each, \$1.50

SIX SUPERB NEW ROSES—NOVELTIES OF 1928

DAME EDITH HELEN (A Dickson & Sons, 1927). We particularly direct your attention to this magnificent rose, a new gold medal variety and the winner of many other signal honors in England during the season of 1926. We must frankly confess that any description, no matter how well worded, can ever adequately convey any commensurate idea of its regal beauty. It is a rose, as near as we have been able to observe, that is without a fault. The plant is of extremely vigorous growth, well furnished with large dark green leathery foliage. The immense buds are borne singly on upright canes after the manner of some of the hybrid perpetuals such as American Beauty, and expand into an open flower of impressive size and beauty.

The color is a matchless shade of pure pink, mellow in tone and rich to the last degree. We know of no other rose which can approach its superb shade. In form, either in bud or open bloom, it is well nigh perfect and last, but not least, it has an additional qualification only too often lacking in modern roses, FRAGRANCE. We do not believe there is a rose in existence wherein the perfume is more intense. It has the same delicious odor as that of the old damask rose. A few flowers will scent a whole room.

To conclude, we would add that it is a rose which "grows old gracefully." It holds its superb shade of pink from opening bud till the last petal drops.

Each, \$1.50

LADY FLORENCE STRONGE (McGredy). This is another of the new Irish roses and a splendid addition to our novelty sheet for the season of 1927. We quote the raiser's description: "The color is reddish prawn to violet old rose, shading at the base of the petals to yellow and towards the edge, to pink, the inner surface of the petals being heavily veined and slightly flushed scarlet. An indescribably beautiful combination of color." We can only add, it is a rose of splendid quality and one which is destined to grow in popular favor. The growth is free and bushy and the flowers are carried upright on stout stiff stems.

Price each, \$1.50

LADY MARGARET STEWART (Alex Dickson & Sons). This magnificent novelty is unquestionably one of the most remarkable and distinct roses of the new hybrid pernetiana class and well deserving of the gold medal awarded by the National Rose Society of England during the 1926 Spring Show. The flowers are full and

double, the bud long and pointed. In the bud stage, the color is a delightful shade of sunflower yellow, heavily veined and splashed with orange scarlet. As the blossoms mature, the general effect of color is that of orange cadmium and apricot. Foliage mildew-proof. A constant producer and invaluable as a cut flower or bedding rose. 1928 Gold Medal winner at the International trials of new roses, Bagatelle Gardens, Paris, France.

Price each, \$2.00

MRS. A. R. BARRACLOUGH (McGredy, 1926). A gold medal winner before the National Rose Society of England and well worthy of the award given. This rose is a rampant grower and bears flowers and buds of phenomenal size. In general form and contour the buds and blossoms are not unlike those to be noted in the variety, Souv. de Georges Pernet, but the growth of the plant as a whole is stronger and more upright than that of the former variety. Color soft sparkling carmine pink, with suffusion of salmon, the whole merging to yellow at the base of the petals. Last, but not least, it has the merit of being very fragrant.

Price each, \$2.00

MARGARET MCGREDY. This is simply one of the most magnificent of modern roses. It hails from the British Isles, where it has been exhibited during the past three years and has won the highest honors wherever shown. It was awarded the gold medal of the National Rose Society, an honor difficult of attainment. The flowers are large, quite double, and the color is startling, being a glorious shade of brilliant orange scarlet. There is no other rose in existence like it and in our opinion it is a rose which has come to stay.

Price, \$2.00

MRS. ERSKINE PEMBROKE THOM (Howard & Smith). In our field trials of new roses during the past season, this variety stood out pre-eminently as one of the freest and most vigorous growing of all yellow roses. We had rows of it some 500 feet long which were a mass of golden yellow throughout the whole season.

Reports from members of the American Rose Society throughout the U. S. A. have served to confirm our opinion and judgment of its quality.

We are led to believe that we have given the rose world a noteworthy addition.

Buds long and pointed with well shaped, open flowers; color a pure, even shade of deep lemon yellow.

Price each, \$2.00

Recent Introductions of Superior Merit

ANGELE PERNET. One of the most remarkable pernetiana hybrids ever raised. This glorious rose was deservedly awarded the gold medal at the International trials at the Bagatelle Gardens, Paris, 1924. It is one of the most decided breaks by way of color in modern roses, the latter being a vivid orange flame with shadings of coppery apricot, with the exterior of the petals daintily suffused with pure gold. It is a rampant grower with dark, glossy, green, mildew-proof foliage. Buds of perfect form, flowers fairly full with great freedom of bloom production throughout the year. A wonderful variety for bedding purposes. Price each, \$1.50

CUBA. This lovely novelty of French origin is bound to take a premier place in the class of bedding roses. The flowers are only semi-double, but are borne in lavish profusion throughout the entire rose season. The color is entirely new in roses, being a bright shade of rich vermillion scarlet. It is an extremely vigorous grower and for mass effects cannot be surpassed. If cut in bud form the flowers are ideal for table decoration and are of brilliant effect. Price each, \$1.50

DORIS TRAYLOR. Beautiful long buds of a rich, brilliant salmon-orange with intense carmine suffusion, large double flowers of splendid form; a strong but compact grower, exceptionally free flowering and delightfully scented. Price each, \$1.50

ETOILE DE FEU (Star of Fire). A very large, free flowering variety with glossy, mildew-proof foliage. In color a superb shade of salmon pink suffused with orange flame. Price each, \$1.00

FEU JOSEPH LOOYMANS. A beautiful orange apricot colored rose with long, pointed buds. Color is uniform, both in bud and open flower. A variety of moderate growth only, but very free in its production of bloom. There is no other rose we know of quite this color. Price each, \$1.00

FRANK READER. This is a 1927 novelty and one of the finest two-toned yellow roses that we have ever had the pleasure of sending out. Most people are ac-



Dame Edith Helen

quainted with the old variety Sunburst. This new variety might be referred to as a glorified type, of the same color. In the 1926 Summer show of the Royal

Horticultural Society of England, it was awarded the well deserved honor of a first class certificate. It has a large, massive bud with a high pointed center which opens to a flower of very large size. The heart of it is golden apricot and shades lighter toward the exterior of the petals. Deliciously apple scented. This rose will prove a splendid variety for cut flower purposes. It is one of the most profuse blooming roses of its color that we know of. The plants are of strong, upright growth with splendid clean-cut foliage. A rose for everybody's garden.

Price each, \$1.50

IRISH CHARITY (McGredy, 1927). A free blooming variety with blooms of moderate size. In color a wonderful shade of intense fiery scarlet changing to rosy scarlet as the blossoms mature. A strong, vigorous grower well furnished with handsome foliage.

Price each, \$1.50

IRISH CHARM (McGredy, 1927). Buds and open blooms of moderate size and absolutely perfect form. Base of petals rich golden apricot passing to a delicate blush pink in the fully developed bloom. A strong, vigorous grower of fine branching habit. Very fragrant. A splendid bedding rose.

Price each, \$1.00

IRISH HOPE (McGredy, 1927). Another splendid addition to the list of red roses and quite distinct from all others of its particular color class. The buds are well formed and expand to very large, broad petaled blooms. This rose was greatly admired in our trial beds during the past season. Its brilliant shades attract the eye at once. Color rich, rosy crimson.

Price each, \$1.50

IRISH SWEETNESS (McGredy, 1927). One of the freest blooming red roses in our entire collection, and one which we feel certain will be much sought after when better known. The shade of red to be noted in this rose is similar to that of the well known variety, Laurent Carle, being crimson lake with a suffusion of scarlet. Buds of moderate length. Expanded bloom large and of a telling color.

Price each, \$1.50

JOHN RUSSELL. An immense sized dark velvety crimson rose, winner of the gold medal at the International Trials at the Bagatelle Gardens in Paris, 1924. This variety is a strong, vigorous grower, canes being furnished with ample leathery, dark green foliage.



Mrs. Lovell Swisher

Flowers are borne at the terminals of its strong canes and are of phenomenal size and beauty. The color is not unlike that to be noted in the variety, H. V. Machin, if anything, is richer in its tone. During the Fall months the color deepens, the scarlet being overlaid with rich maroon red. This rose is a very tall grower and should be used as a back row subject in the rose garden.

Price each, \$1.50

J. OTTO THILOW. During the past season in the test pots at our Rivera plant, we had several hundred stocks of this superb novelty. It is a pink variety and one of the deepest shades of rose pink, several tones darker than the well known variety, Rose Marie. The

buds and open flowers are simply perfect. In bearing qualities the variety has but few equals, being covered with masses of perfect buds and blooms during the whole rose year. Its shade of rose is absolutely even from the time it begins to expand until it reaches the stage of a full developed flower. A superb variety for cut flower purposes. Price each, \$1.50

MAD. ALBERT BARBIER. One of the most noteworthy novelties in roses obtained in many years. It is a seedling from Frau Karl Drushki and possesses the sturdy character and free blooming qualities for which the latter variety has long been noted. The bush is of upright growth, having more the character of a hybrid perpetual than a hybrid tea, and blossoms without intermission throughout the season. The buds are of exquisite formation and display a color which will appeal to the most esthetic, being a pearly white suffused with soft flesh pink, with rich shadings of golden apricot at the base of the petals and center of the flower. We have seen no other rose wherein the blendings of color are like this one and few, if any, regardless of color, more beautiful. Price each, \$1.50

MRS. BEATTY. A lovely deep lemon colored Rose which reminds one in general form and contour of our old favorite Marechal Neil. Like the latter, it is deliciously fragrant. Growth moderate. Foliage of leathery texture and mildew-proof. We regard this as the best of its particular color introduced to date. Price each, \$1.50

MRS. C. W. EDWARDS. Since the introduction of hybrid roses of the pernetiana class many colors and combinations of colors, hitherto unknown in roses, have become apparent, the variety in question being one which forcibly illustrates the point. It is distinct from any other rose we know of by way of color, the latter being a pure crimson carmine with a golden yellow base to the petals. The flowers are large, full, sweetly scented and the foliage not subject to mildew. Price each, \$1.50

MRS. HENRY BOWLES. A replica by way of color of the well known old variety Mad. Abel Chate-nay, the color a beautiful shade of salmon pink. Buds and flowers of large size, the latter composed of broad cupped petals. A vigorous grower constantly in flower, perfect in all its stages of development. A grand variety for cutting. Price each, \$1.50

MRS. LOVELL SWISHER (Howard & Smith, 1926). A glorious new seedling of our own raising, obtained as the result of a cross between the variety, Grange Colomb x Souv. de Claudius Pernet. The blossom has inherited the magnificent long pointed bud of its seed parent, but in color it is at wide variance with that of the pollen plant. The color is a deep coppery salmon, passing in the exterior of the petals to delicate salmon pink and flesh at the edges. The base of the petals in the bud is golden ochre, the same color manifesting itself in the base of the fully opened flower. We know of no rose wherein the bud is of more exquisite formation than in this lovely variety. It is a rampant grower and bears an endless succession of perfect flowers throughout the entire season. We cannot recommend this variety too highly, and we feel that those who try it will more than agree with us that we have given to the rose-loving

world a rose which will take its place with such varieties of our own introduction, as Mrs. W. C. Egan, Los Angeles, etc. Price each, \$1.00

MRS. W. E. NICKERSON (McGredy, 1927). A superb rose in every sense of the word. It is an extremely vigorous grower with buds and open blooms of exquisite form and texture. The basic color is a rich, warm, rosy salmon flushed and shading to deep chrome yellow at the heart of the flower. The exterior of the flower when in bud form shows a rich orange cadmium at the base which gradually merges into the salmon of the upper portion of the bloom. This rose is not only of beautiful and distinct color arrangement, but has the additional good qualities of being a rampant grower with a freedom of bloom production equalled by but few other sorts. A grand variety for cutting purposes. Price each, \$1.50

MONS. JULIEN POTIN. Yellow roses are always much sought after and this splendid novelty from Mr. Pernet is undoubtedly the last word in roses of this color. It is a variety which when it becomes plentiful will, we believe, practically supplant the variety Souv. de Claudius Pernet. The bud is longer, the plant has fewer thorns and the color is an entrancing shade of rich golden yellow, several tones darker than that to be noted in Souv. de Claudius Pernet. It bears its magnificent flowers perfectly erect on strong, wiry stems. It is freer in production of bloom than any of the other high colored yellow roses we know of. While it is a grand garden rose, it is equally valuable as a forcing rose under glass. Foliage is a glossy, bronzy green and mildew-proof. Price each, \$2.00

PINK PEARL. One of the most desirable qualifications to be wished for in a rose is that of fragrance, and in this new variety from Holland, we have it in an intensively accentuated form. This rose is not only beautiful with respect to color and general form, but it has a fragrance so intense in nature that a few blossoms cut and placed in a vase will scent a whole room. It has often been thought that climatic conditions were responsible for the fragrance or non-fragrance of roses, but such is not the case. Many varieties are absolutely devoid of fragrance no matter where grown; others have it in various degrees and in this particular variety it is a highly developed factor. Aside from fragrance, it is a flower of beautiful form and build, moderate in size, a delightful rich cerise pink in color, merging to gold at the base. A tremendously vigorous grower, bearing a constant succession of buds and flowers throughout the season. Price each, \$1.00

REV. F. PAGE ROBERTS. Among our extensive trials of new roses during the past season this splendid variety has shown up remarkably well. It is a rose distinct from anything else in our entire collection by way of color, the latter being a rich buttery Marechal Neil yellow. The blossoms have a rich, fruity fragrance distinct from that to be noted in any other rose. The foliage is glossy, free of mildew; the plants extremely vigorous and the flowers open well in all kinds of weather. A rose which has come to stay. Price each, \$1.00

SIR DAVID DAVIS (McGredy, 1926). This is another splendid crimson rose, a color for which there is always a great demand. It is a variety which we are certain will take a permanent place amongst the popular varieties of its particular color, the latter being an unfading deep glowing crimson of an even shade throughout the flower. The open flowers are very large and full, the buds long pointed and of a fine form. Foli-

age bright green in color, the stems having but comparatively few thorns. Price each, \$1.50

VILLE DE PARIS. A new yellow rose from Mr. Pernet of a distinct deep sunflower yellow.

It is a remarkably free flowering variety, with which is combined a splendid free growing habit.

The growth is upright and the plants blossom in great profusion throughout the entire season.

A grand rose for culling purposes. Price each, \$2.00

General Collection of Choice Roses

BETTY. A superb rose with blooms of the most exquisite color imaginable. Copper rose shaded golden yellow at the base. Buds long and pointed. A vigorous grower. Price each, 75c

CAROLINE TESTOUT. An old but still one of the best pink roses. Color, a delightful shade of glistening silvery pink. A constant mass of bloom throughout the entire season. Price each, 75c

EDEL. One of the finest additions to the class of light colored roses introduced in many a day. The buds are long and pointed. In color, pure white. As the flower expands, delicate tints of ivory manifest themselves in the center of the flower. The matured bloom is practically snow white. It opens somewhat flat in form, but is a rose of perfect contour, splendid growth, with a pronounced freedom from attacks of mildew. Price each, 75c

ELDORADO (Land of Gold). Howard & Smith, 1923. Another of our own introduction which we feel will please the most exacting rose lover. Flowers large and full, deliciously scented. In color, a glorious shade of golden yellow, the edges of the petals at certain seasons tinted with deep pink. The blossoms are a counterpart of Miss Lolita Armour in form, growth exceedingly vigorous. Price each, 75c

ELEGANTE. Although this Rose was introduced about 1918, it is comparatively little known, and yet, in our opinion, it is one of the finest Roses of its color introduced to date. The buds and open blossoms are uniform, deep sulphur yellow in color. The bud is long and pointed and expands to a full flower of splendid form and substance. The foliage is mildew-proof and the plant is nearly always in bloom. A very satisfactory Rose and one which should be largely planted. Price each, 75c.

GENERAL McARTHUR. Bright crimson. One of the best of all red roses for bedding purposes. Not subject to mildew. Blooms continuously over a long period. Price each, 75c

GOLDEN EMBLEM. Generally recognized as one of the finest of all golden yellow Roses. Flowers are very sweetly scented; the foliage rich, glossy green and mildew-proof. This Rose should be only lightly pruned for best results. Price each, 75c

HADLEY. In color, rich, dazzling crimson scarlet with shadings of velvety crimson. A deliciously fragrant, vigorous growing rose. Price each, 75c

HOOSIER BEAUTY. A rose of American origin and, in our opinion, one of the finest red hybrid tea roses in existence. Flowers of superb form not unlike a perfect Sunburst in shape. They are beautiful either in the

bud or in the fully expanded bloom. The tone of color is one of those rich, dark, velvety reds not unlike that to be noted in the old variety Black Prince. A perpetual bloomer. Price each, 75c

THE ROSE Queen of Flowers LOS ANGELES Queen of Roses

This superb rose which we introduced in the year of 1917 has made a record for itself in all parts of the world where roses are grown and appreciated for their beauty and fragrance. We believe we can say without egotism that it is a rose which has come to stay. It has received recognition from rose societies and rose lovers everywhere. It was awarded the gold medal at the International trials in Paris in 1918 and has more than fully borne out the high merit accorded it. We doubt if there was ever a rose introduced for which the demand has been so heavy, due entirely to its generally recognized high-class qualities. It possesses a color absolutely new in roses—luminous flame pink toned with coral and shading to translucent gold at the base of the petals. The buds are long and pointed and expand to a flower of mammoth proportions. It is beautiful from the opening bud until the last petal drops. It is a rose that will furnish you from plants grown in your own garden better flowers than can be produced from under-glass grown stock. Our culture of this variety alone at the Fernando grounds during the past season exceeded 35,000, which is indicative in some measure of the popularity of this glorious rose. A remarkable feature of Los Angeles is the fact that it can be grown in all climates. It does well in temperate climates, such as that of California, yet it is quite hardy under the harsh conditions of cold, etc., which are pertinent to the most easterly portions of the country. It is a rose that everybody can grow. It is a rose without which no collection is complete. Price each 75c.

IRISH FIREFLAME. An exquisite single rose that should be in every garden. Color, a deep maddery orange, splashed with crimson, deliciously and strongly perfumed. Vigorous in growth, constant in bloom.

Price each, 75c

ISOBEL. A lovely single Rose. Color deep carmine flushed with orange scarlet. Large flowers are freely and continuously produced. We regard this as one of the finest single bedding Roses grown and should be planted in every garden.

Price each, 75c

JOSEPHINE THOMAS (Howard & Smith). This novelty rose is one of our own seedlings and has been named in honor of the daughter of the well known rosarian, Capt. Geo. C. Thomas. It is a variety with strong vigorous habit and absolutely perpetual blooming in its character. The buds are long with high pointed centers, the open bloom large and full, with petals beautifully reflexed. The buds are cream flesh in color, with the half open flowers displaying a light orange salmon-colored center. We feel quite certain this will prove a splendid garden rose on account of its freedom of bloom and equally valuable as a cut flower.

Price each, \$1.00

KAISERIN AUGUSTA VICTORIA. Creamy white in color. Grand in form, free in growth; one of the best all around whites for cutting purposes. Price each, 75c

K. OF K. A lovely semi-double pure dazzling scarlet bedding Rose. This is unquestionably one of the finest of all bedding Roses in the single or semi-double class. Unlike most red varieties, the flowers on ageing do not "blue." Best results will be obtained with this Rose by planting it in masses. Treated in this manner it is very effective and catches the eye at once. Highly perfumed.

Price each, 75c

LADY HILLINGDON. Deep apricot yellow. Long pointed buds. Produces enormous quantities of flowers with buds of especially fine shape. Well adapted for use as a cut flower.

Price each, 75c

LOUISE CATHERINE BRESLAU. A magnificent rose belonging to the pernetiana class. Buds a beautiful shade of coral red toned with chrome yellow. When fully opened the flower changes to shrimp pink and coppery orange; a sensational and exquisite variety.

Price each, 75c

LULU. A new rose of English origin and to our mind one of the most distinct roses in cultivation today. The buds are long and pointed, in general formation and shape are similar to Irish Fireflame, but of even more beautiful form. In color a lovely shade of pure apricot. This rose is only of use in the bud form, but we doubt if there is a rose in existence today of more beautiful effect when cut in bud form and used in corsages, bridesmaid bouquets, etc. It is more double than Irish Fireflame, more or less similar in growth, a constant bloomer.

Price each, \$1.00

MAD. EDOUARD HERRIOT. Superb coral red shaded with yellow at the base of the petals. Sensational in color; a good grower and a free bloomer. Mildew proof foliage.

Price each, 75c

MAD. JULES BOUCHE. A very strong growing variety. Good either in the bud or fully expanded flower. Ground color of the flower is pure white with blush tints.

Price each, 75c

MAD. LEON PAIN. Light silvery pink shaded with salmon. Growth exceedingly vigorous and produces large quantities of flowers throughout the entire season. We consider this an indispensable variety to any collection of roses.

Price each, 75c

MRS. CHARLES LAMPLOUGH. A Rose of immense size and substance, combined with exceedingly vigorous growth. Color of the opening bud is a soft tone of light lemon yellow, which passes to almost pure white as the flowers age. A worth-while variety.

Price each, 75c

MRS. FRANKLIN DENNISON. The color of this variety is difficult to describe, the base of the petals being a rich chrome yellow, which gradually merges to light silvery pink. Bud and flowers of enormous size quite double. Intensely fragrant.

Price each, 75c

MRS. W. C. EGAN (Howard & Smith, 1922). This rose is another of our own hybrid seedling introductions and one which we believe will prove lasting in its popularity. The color is a lovely shade of two-toned pink, shading through deep flesh to golden yellow at the base of the petals. Although only in commerce since 1922, this rose has already gained a splendid reputation for itself. The contour of its long, pointed buds and the splendid formation of the open bloom with its glorious combination of colors will appeal to everyone.

Price each, 75c

OPHELIA. Salmon flesh shaded with rose. Buds of absolutely perfect form; a splendid variety for either indoor or outdoor cultivation.

Price each, 75c

PADRE. The race of pernetiana roses has given the rose world some wonderful new colors and combination of colors which prior to their introduction were hitherto unknown. Among the large number in this class which has been presented to the rose-loving world there are none we know of more distinct than this lovely variety. The color is very difficult of description, but might be alluded to as a coppery orange crimson with shadings of yellow at the base of the petals. The habit is erect, the flowers are borne on splendid stems and it is exceedingly free flowering, beautiful either in the bud or fully expanded flower. As a rose for use as a cut flower or for its effect as a blooming plant in the garden it is without a peer. The petalage is moderately full, the buds long and pointed. A variety of exquisite effect any way you take it. A strong, vigorous grower, highly recommended.

Price each, 75c

RADIANCE. A rose of American origin, and to our mind one of the best varieties in cultivation today. Buds long and pointed, expanding to blooms of enormous size, similar in shape to Caroline Testout, but in color deep, rich rose pink.

Price each, 75c

RED RADIANCE. A counterpart of the original pink variety, save color, which is a delightful shade of rich rosy red. Tremendously vigorous grower and constant bloomer.

Price each, 75c

ROSE MARIE. Buds long and pointed. Petals large and well rounded; the open bloom ideal as to form. One of the finest roses we know of for cut flower purposes. In color a delightful shade of pure, even rose pink.

Price each, 75c

SOUV. DE CLAUDIUS PERNET. A sensational novelty rose, in color a superb, clear sunflower yellow. Buds long and pointed, open flowers large and full. Wonderful as to stems, a vigorous grower with brilliant dark green foliage, which is resistant to mildew. Although recently introduced, this rose has gained great popularity in all parts of America and Europe. It is being forced at the present time by the hundreds of thousands as a cut flower and we know of no other yellow of its shade wherein the bud and open flower are of more perfect formation. Aside from its value as a forcing rose, it does splendidly in the open garden, bearing throughout the season elegant long-stemmed flowers in a color which heretofore was practically unknown. It is one of the greatest advances by way of color ever offered to the public and is a striking example of the work accomplished in the modern hybridization of the rose.

Price each, \$1.00

SOUV. DE GEORGES PERNET. A companion introduction to the variety Souv. de Claudius Pernet, belonging also to the pernetiana class. A rose with a distinct and glorious color and one which is quite new in roses, being an unusual and exquisite shade of Oriental red, merging to cochineal carmine in the outer portion of the petals. There is a suffusion of yellow overlaying the whole bloom. This remarkable combination, together with the exquisite bud form and handsome, fully developed flowers, place this rose in a class by itself. The growth of the plant is moderate, but the flowers are freely produced during the entire season.

Price each, \$1.00

SOUV. de H. A. VERSCHUREN. This magnificent yellow rose might be described as a glorified Sunburst. The color is a wonderfully rich shade of apricot yellow shading to saffron at the edges of the petals. The buds are much larger than Sunburst and the flower if anything more perfect in form. It also has the additional advantage of being a strong, rampant grower. One of the finest roses of this shade known in the rose world today.

Price each, \$1.00

THE QUEEN ALEXANDRA. A remarkable combination of color may be noted in this magnificent new



Mad. Albert Barbier

rose. A combination which is not only startling, but of peerless beauty as well. It is a two-toned rose with the upper side of the petals a glorious shade of vermillion, the reverse side being old gold. The petals of the flowers merge from a vermillion to pure golden yellow at the base. The color effect to be noted in the fully expanded bloom, wherein these various colors manifest themselves in their entirety creates an impression of beauty in a rose that is not easily forgotten. Vigorous as to growth, free in bloom, exquisite as a cut flower under artificial light.

Price each, 75c

UNA WALLACE. A wonderfully free growing and free blooming rose. Strong, upright canes well clothed with handsome foliage. Color is a lovely shade of cherry pink. A splendid rose for cutting purposes.

Price each, 75c

WM. F. DREER (Howard & Smith, 1920). We regard this rose as one of the finest which it has been our good fortune to produce and introduce to the rose-loving public. It is a rose which through sheer merit



Mrs. W. C. Egan

is today recognized as one of the leading novelties of recent introduction. It won the gold medal at the show of the National Scottish Rose Society, held in Edinburgh, Scotland, and has been awarded numerous certificates and medals in many other parts of the world. In general form it is almost a counterpart of

Los Angeles, with much the same habit of growth, freedom of bloom, shape of flower, etc., but differs entirely in color, it being a deep golden yellow, heavily flushed and shaded deep peach and old rose. Very brilliant and delightful combination of colors not seen in any other variety. A grand rose for cutting purposes.

Price each, 75c

Polyantha Roses

Everblooming Baby Bedding Roses

LAFAYETTE. Among all the various varieties of polyantha roses introduced in modern times, this is easily one of the very best. The flowers are quite large—almost the size of the Paul's Scarlet Climber—and have the same rich crimson scarlet color. The plants are absolutely perpetual in their blooming character. They attain a height of some 3 feet and bear without intermission magnificent trusses of bloom throughout the entire season. It is a rose of unexcelled value for borders or for any place where a dwarf bedding effect is desired. Planted in masses by themselves, it will flower

as freely as a geranium. The trusses clean nicely. The appearance of a bed in bloom is always fresh and bright.

Price each 75c.

CHATILLON. In our opinion this is one of the finest of all the Polyantha or Baby Roses. The flowers are semi-double, produced in sprays of thirty to forty flowers each. Color, deep cherry rose, passing to white in the center. This Rose is a perpetual bloomer and is a splendid subject as a border plant for Hybrid Teas in the garden.

Price each, 75c

Everblooming Bedding Roses


RUDOLPH KLUIS. A vigorous growing Polyantha Rose, producing without interruption throughout the season splendid heads of rich crimson colored flowers. The latter are of medium size and carried in dense, compact heads. An exceedingly vigorous grower. Very fine. Price each, 75c

ELSIE POULSEN. A lovely single Polyantha type of Rose, in a pure, even shade of rose pink. Like most Roses of the Polyantha type, it produces an unbroken succession of flowers right through the season. Plants

of this variety when in full bloom are a veritable sheet of color. Price each, 75c.

KIRSTEN POULSEN. A fine companion to the variety Elsie Poulsen, with more or less similar habit of growth, differing, however, in the color of the blossoms, the latter being a brilliant shade of bright crimson scarlet. The beauty of the flowers is enhanced by the golden anthers at the center of the blooms. Price each, 75c

CLIMBING ROSES.

OMPRISED under this head is a list of varieties suitable for cultivation on walls, pillars, arches and trellises. Many of the varieties are not only of ornamental effect in the garden, but are also valuable for use as cut flowers, bearing splendid long stemmed buds. This is particularly true where they are sport climbers from bush roses of the same name. Our plants this year are particularly fine, and if planted in early Spring will insure a plentiful display of blooms during the following summer and autumn.

BLOOMFIELD COURAGE. Rather small, dark velvety red single flowers, with white centers and prominent yellow stamens, produced singly and in clusters along the main canes and laterals. In the Central East produces bloom in one flowering period in the spring, in the Southeast blooms recurrently over a longer period and gives scattering flowers in California throughout the year. Very hardy. Foliage impervious to disease and well retained. A distinct climber. Price each, \$1.50

BLOOMFIELD DECORATION. An everblooming climbing or trailing rose producing clusters of single flowers of rose-pink which have lighter centers and golden stamens. Growth up to six feet in the Central East, but of stronger habit in the South and on the Pacific Coast. Foliage impervious to disease. Price each, \$1.50

BLACK BOY. A recent introduction in climbing roses from Australia and one of superlative beauty. This rose is the darkest colored climbing rose we have ever seen, being a very dark velvety crimson super-imposed with rich maroon. It is a strong grower with handsome foliage and a constant bloomer. Price each, \$1.00

BLOOMFIELD EXQUISITE. A cross between Gloire de Dijon and Teplitz which gives the climbing growth of Dijon with the perfume of Teplitz and produces double flowers with cutting value of a clear pink. This variety out-blooms other pink climbers of H. T. parentage and gives dependable climbing growth, blooming over a long season. Hardy in all climates. Price each, \$1.50

CLI. CAROLINE TESTOUT. A climbing form of Caroline Testout with the same silvery pink color to be noted in the mother plant. Remarkably free in bloom, the plants being literally smothered with perfect buds and flowers. Price each, \$1.00

CL. CECIL BRUNNER. A sport from the well-known Cecil Brunner. Identical by way of color, with a tremendously vigorous climbing habit. Price each, 75c

CLI. GEORGE ELGER. A dainty climbing Rose with buds about the same size as those to be noted in the well-known variety, Cli. Mad. Cecil Brunner. The bud is of perfect formation. Color, deep orange margined with rosy scarlet. A splendid Rose for pergolas and trellises, the plant being a very vigorous grower. Price each, \$1.00

CLI. HOOSIER BEAUTY. A grand climbing form of the well known bush type. The blossoms are large, beautifully formed, rich crimson scarlet with shadings of maroon. Blooms freely produced over an extended season. Very vigorous. Price each, \$1.00

CL. LADY ASHTOWN. A superb deep silvery pink—a shade or two darker than Caroline Testout. Unquestionably one of the grandest climbing roses in existence. Although a climbing rose, buds are borne on long stems, making it valuable as a cut flower. Price each, \$1.00

CLI. LADY HILLINGDON. A splendid climbing sport of the bush form. A variety with very few thorns. Color, a rich shade of apricot yellow. Buds of exquisite form and substance. Price each, \$1.00

CLI. LOLITA ARMOUR. A climbing sport of the bush form of the same name. This variety originated at our San Fernando nurseries some three years ago and we are certain will prove a splendid addition to the list of climbing Roses, as the color is unique, being a deep coral red suffused with gold and coppery red. Price each, \$1.00

CLIMBING LOS ANGELES. Howard & Smith, 1925. As an addition to the list of climbing roses this bud sport from the parent type, Los Angeles, is bound to prove one of the finest additions to the list of climbing roses offered in modern times. The flowers, if anything, are larger than those of the bush type; the same deep shades of coral, gold etc., are displayed in the blooms and buds in an intensified degree. We believe this climbing rose will prove one of the most popular of all climbing roses. The growth of the plants is exceedingly vigorous and it blossoms without intermission throughout the entire rose blooming season. A worth-while novelty. Price each, \$1.00

CL. PINK MAMAN COCHET. One of our own introductions. The individual buds and flowers are much larger than those of the dwarf bush form and are produced in far greater profusion. An addition to pink climbing roses which is worth while and bound to find its way into every garden where roses are appreciated and grown for their fragrance and beauty.

Price each, \$1.00

CLIMBING RED RADIANCE. Among the various bush roses grown today, there are but few which can exceed the prolific blooming qualities of either pink or red Radiance. In this new climbing sport from the well known Red Radiance, we have a rose which we believe is destined to become one of the most popular of all climbing roses of its particular color. The buds and blossoms are of enormous size and are produced in constant succession throughout a prolonged period.

Price each, \$1.50

CLI. SOUV. de CLAUDIUS PERNET. A rampant growing Rose with brilliant, glossy green foliage, which is mildew-proof. Buds of the same exquisite shape as that to be noted in the bush form and are carried on long, stiff stems. Color, deep sunflower yellow. A splendid acquisition to the list of Climbing Roses.

Price each, \$1.00

SOLARIUM. A single flowering Polyantha type of Rose, with much the same coloring of flower as that to be noted in the old favorite, Hiawatha. The blossoms, however, are larger and more freely produced. The color is intensely rich, being a bright crimson scarlet.

Price each, \$1.00

EMILY GRAY. A Hybrid-Wichuriana Rose, bearing quantities of deep copper colored buds and flowers. The opening buds on this variety are of superb form and are excellent for cutting purposes. The foliage of this variety is practically evergreen, a characteristic which it has inherited from the Wichuriana side of the cross. Hardy in all localities.

Price each, \$1.00

ERNESTINE COSME. A lovely single flowered climbing rambler Rose. Produces quantities of large, pyramidal shaped sprays in wonderful profusion. Color, a lovely shade of soft, delicate pink.

Price each, \$1.00

GOLDEN VISION. A vigorous growing climbing Rose which hails from Australia. The open flowers have the same rich color as the old Marechal Neil and turn to creamy yellow when fully developed. Aside from the floriferous character of the plant itself, it would be beautiful if grown only for its foliage, the latter being dense, bright glossy green and persistent throughout the season.

Price each, \$1.00

GWEN NASH. A new rose of sterling worth and in our opinion one of the most beautiful climbing or pillar roses ever offered to the rose-loving world. The blossoms are borne in large trusses at the terminals of strong vigorous growing canes. The buds are long and pointed and expand to flowers having a diameter of 5 to 6 inches. At certain seasons they average even larger than this. The color of the upper portion of the petals is an entrancing shade of pure soft cyclamen pink, while the center of the flower is a corona of pure white, the zones of colors being about equally divided over the surface of the flower.

Price each, \$1.00

JACOTTE. This Rose was introduced a few years ago and, although a magnificent variety, is comparatively little known as yet. It is a hybrid of Wichuriana origin, with splendid, leathery foliage, and is covered during the spring season with endless quantities of lovely orange yellow, tinted deep coppery red, flowers. These are produced in trusses of four to ten. It is an absolutely new color in this class of Roses and should be planted in every Rose garden. Owing to its rampant growth this Rose will also find a place as a ground cover for banks and is equally valuable treated as a pillar Rose.

Price each, \$1.00

KITTY KININOMOUTH. An Australian novelty in climbing Roses which should find a place in every garden. This variety produces huge, semi-double flowers of a brilliant carmine rose color. The flowers are composed of enormous petals and are freely borne on splendid, stiff stems. Foliage mildew-proof. This Rose in bud form makes a splendid cut flower. A novelty climbing Rose of unquestioned worth.

Price each, \$1.50

MAD. JENNY. A new climbing Rose in the Polyantha class. During the blooming season the plants are covered with innumerable clusters of small cup-shaped flowers of a delicate satiny rose color. The blossoms are deliciously fragrant. The plants are well furnished with fine, healthy, dark green foliage. A splendid Rose for trellises and pergolas.

Price each, \$1.50

MAD. EDOUARD HERRIOT. A grand addition to the list of climbing roses. It is a sport from the well known bush form of Mad. Edouard Herriot better known as the Daily Mail rose, and will prove a welcome addition to the none too long list of first class climbing roses. The foliage is ample, larger in size and better in texture than that of the parent type. The blossoms are also larger and the color if anything more vivid. As a pillar rose or for trellis work this superb novelty is bound to find a place. We regard it as an acquisition which is as valuable as the climbing form of Los Angeles.

Price each, \$1.50

MERMAID. A lovely single climbing Rose. A hybrid of Rosa Bracteata. Blossoms of very large size, light sunflower yellow in color, with deep amber colored stamens. This Rose reminds one of a very large light yellow Cherokee Rose, only the foliage is more effective, being massive and a deep, shiny green color with the young growths prettily tinted with red. For trellises or pillars this Rose is of unquestioned worth. It is a beautiful Rose any way you take it.

Price each, \$1.00

MISS MARION MANNIFOLD (Adamson). A grand new climbing rose of Australian origin. The plants are of extremely vigorous growth and carry their splendid big blooms in constant succession throughout the entire season. The color is a brilliant crimson scarlet of a quality which does not fade or "Blue." The flower is fairly full and of most refined form and finish. For pergolas, trellises, etc., this splendid variety is sure to find first place. Very sweetly scented.

Price each, \$1.00

PAUL'S LEMON PILLAR. A rampant growing climbing Rose with large, fragrant sunflower yellow flowers. The buds and blossoms are of immense size. As the flowers age they turn almost pure white. Fully developed blooms are of very large size, quite double. Buds long and pointed.

Price each, \$1.00

PAUL'S SCARLET CLIMBER. A comparatively recent addition to the list of climbers and one of superlative merit. The introduction of this rose has added an entirely new color to the climbing class, this being a wonderful shade of pure vivid scarlet, a shade which is at once intense and effective in its brilliancy. The plants when in full bloom are literally covered with flowers from top to bottom. It is a rose with scarcely any thorns; foliage, leathery and dark green, making a splendid foil for its grand clusters of bloom. This rose is hardy in all sections of the country and should be largely planted. It is indispensable as a pillar rose or when used on pergolas, trellises, etc. A plant in bloom attracts attention at once.

Price each, \$1.00

PHYLLIS BIDE. A splendid ever blooming polyantha rose. Blossoms are about the same form and size as the well known Climber, Mad. Cecil Brunner. They are produced in loose sprays at the terminals of long branching shoots. Color is a neat shade of pale gold at the base, shading to carmine pink at the exterior edges of the petals. Unlike most of the hybrid polyantha roses, this variety is constantly in bloom, which gives it a desired advantage as a climbing rose for pergolas, trellises, etc. The whole effect of a plant of this variety in bloom is dainty in the extreme. Price each, \$1.00

Primrose

THE NEW HARDY YELLOW RAMBLER. A remarkable variety and the first real deep yellow rambler rose ever raised. The blossoms are about three inches in diameter, borne in clusters of three to five, and are a deep, rich primrose yellow in color. The plant is of extremely vigorous growth and is furnished with handsome foliage along the entire stem length of the plant. A pure yellow, hardy rambler rose was practically an unknown quantity until the date of introduc-



tion of this superb sort. The flowers are large and double, and its yellow color is uniform throughout the flower. Fine, two-year-old plants. Each, \$1.50

THE BEACON. A fine pillar rose with bright, fiery red flowers with a zone of pure white in the center of the bloom. Flowers single or semi-double produced in large clusters. Foliage large and handsome, bright, glossy green in color. A very effective climbing rose. Price each, \$1.00

HOW TO PLANT AND CARE FOR ROSES

Some of the Most Important Requisites for Success in Growing Roses

A. CARE OF PLANTS UPON ARRIVAL: As soon as you receive the plants remove the various materials in which they are packed for shipment, excepting, however, the burlap which holds the damp sphagnum moss about the root action. This should be left on until the plants are ready for placing in their final growing quarters. If you live in a locality where the ground does not freeze as for example, certain portions of the Southern States or the lower latitudes of the Pacific slope, the moss should be removed at once and the plants placed in the bed where they are to grow.

In the more northerly sections, where the ground is frozen and planting out impracticable, remove, as above, all the packing except the moss and the burlap around the roots and bury the plants to the tips in a cold frame. If a cold frame is not available, the dirt floor of an outbuilding, such as a shed or cool cellar, will answer. In any instance, cover the plants completely with soil. Select a position where there is plenty of light, but not direct sunlight and no artificial heat whatever. As soon as Spring breaks and it is possible to work the soil, plant them out in the garden. If the plants are to be buried, as suggested in the preceding paragraphs, it is advisable to wrap them in a piece of ordinary window screen, to guard against the attacks of mice, etc.

B. LOCATION OF BEDS: Roses give the best results in a fully exposed, sunny situation where free circulation of air is assured and, if possible, well removed from any buildings. It is inadvisable to plant them in even partial shade, as lack of sunlight induces leaf mildew in dull weather.

C. SOIL: Much has been said regarding the soil best adapted to roses, but our experience has been that they do well in almost any good, rich land with a strong preference to soils of a heavy nature.

D. PREPARATION FOR PLANTING: Given that a suitable plot has been selected, we now come to the main essentials to success.

The soil should be trenched or spaded to a depth of not less than 18 inches, breaking all lumps, removing all stones, etc. With this operation complete spread over it three or four inches of rotted manure. Spade in thoroughly, and when thoroughly incorporated, rake the bed to final grade.

Measure the distance apart plants are to be set, allowing two and one-half or three feet between them. At

these designated points dig a hole 12 inches wide by 2 feet deep; place in the bottom 8 inches of well-rotted manure, preferably cow manure, if obtainable. Tread this firmly. On top of this put 6 inches of well prepared soil, containing no manure whatever. Tread again to firm the layer of soil on manure. The remaining portion of the unfilled hole will now be ready to receive the plant.

If the roses are in a dormant or bare root condition, place them in the holes and carefully spread out the roots in as nearly natural position as possible, gradually filling in with fresh soil containing no manure whatever. Whenever the hole is completely filled, tread the soil around the plants as firmly as possible. Make a basin immediately surrounding the plant and water thoroughly.

E. DEPTH OF PLANTING: The accompanying illustration shows a fair sample of one of our strong 2-year-old budded roses bushes. B denotes the point of insertion of the bud in the original wild stock. A, the depth that the plant should be set in the soil. C indicates the splendid root action to be noted in the class of roses which we send out. The tape measure to the left of the cut shows the point A to be about 4 inches above point B. Point A is the proper height the soil should reach when the plant is finally set.

F. WATERING: With the exception of an occasional syringing to clean the foliage of dust, roses should have little or no water overhead. Irrigation either by means of shallow trenches running along the rows or by an individual basin around each plant are the best methods. This puts the water where it belongs—at the roots.

In sections where there is small rainfall the plants should be kept moist during their entire growing season. After each watering a liberal cultivation of the soil will prove highly beneficial and will tend to retain the moisture in the ground.

It is almost impossible to make any hard and fast rule in regard to the frequency of watering, as at times the heat and consequent evaporation is greater than at others. The principal thing to take note of is to see that the soil is continually moist during the flowering or growing period. A mulch of well rotted manure, 2 or 3 inches deep over the entire surface of the bed, will help check evaporation and reduce the amount of water required.

G. PRUNING: The principal pruning should be done either just after the plants have finished Summer growth—say in the months of November or December, or in very cold sections just before the sap begins to rise in the Spring.

It is difficult to give full data as to the method of pruning, but it might be summed up as follows:

Remove all small twiggy growths, pruning back to strong, well ripened canes which are well furnished with healthy, big dormant eyes. As a general thing, the entire top of the plant should be removed. The engraving shows a properly pruned hybrid tea, a 2-year-old plant.

H. INSECTS AND DISEASES: Roses are affected with various diseases, pests, etc., but we will only treat of two which gives the most trouble. These are Aphis, or green fly, and mildew.

For the first use a strong solution of tobacco water, administered on a quiet evening with a spray pump.

For the second, take two ounces of slacked lime, mix with one pound sulphur, place in pot, add two gallons of water; boil for three or four minutes. The sulphur, insoluble in water, enters into solution through the action of the lime, forming a sulphurous solution. When cold, dilute this one part to five parts water and spray affected plants thoroughly. It is very effective.

I. WINTER CARE: In sections where freezing conditions are severe, roses of all classes can be safely wintered in the open ground by hilling up around the plants with soil as far as possible and on top of this

place a heavy mulching of dry leaves, straw or other similar litter. Remove same as soon as danger of frost is over. After these details are taken care of, even the tenderest tea rose can be wintered in the harshest Eastern climate. The hilling up of the plants or the covering with litter is quite unnecessary where heavy freezing conditions do not prevail.

TIME OF DELIVERY

We can supply roses as dormant or bare root plants any time from the first of November to the first of April. These are plants which are dug with their full root action from the field, the tops pruned back and all foliage removed.

Howard & Smith Special Surprise Collections of Very Fine Roses



OR the benefit of our customers, especially for those who are not entirely versed in rose lore, the selection of varieties often becomes a puzzle. In order to aid them in their choice, we are offering these surprise collections. The roses comprised in these various sets are all different and not only embrace a full range of colors, but are of special value as regards price. In making up these collections we are giving you the benefit of a life-time experience and are certain that our choice will more than meet with your approval. In ordering these collections, it will simply be necessary to refer to the collection by initial. Customers living at a distance need not hesitate to order. The price which we have quoted on these includes all cost of packing and delivery to the nearest express office, but does not include any of the carriage charges. By our careful method of packing we can ship them to any point with the assurance that the plants will reach you in perfect condition. The time during which we can fill orders for these surprise collections is during that period when the plants are in dormant or bare root condition and ranges from the first of November to the first of April.

SURPRISE COLLECTION "A"

12 very fine novelty roses taken from our novelty lists for the seasons of 1928 and 1929. Strictly our own selections of varieties. Each one different. Carefully labeled for **\$20.00**

SURPRISE COLLECTION "B"

24 magnificent novelty roses taken from our 1928 and 1929 novelty list, each one different, all carefully labeled. Our own selection **\$35.00**

SURPRISE COLLECTION "C"

12 of our choicest sorts suitable for a small garden. Strictly our own selection from the list of roses of recent introduction and the best of the tried and true standard varieties for **\$7.50**

SURPRISE COLLECTION "D"

24 of our choicest sorts suitable for a garden of moderate size—strictly our own selection—all different. Selected from the list of roses of recent introduction and the best of the tried and true standard varieties for **\$14.50**

NOTE—Customers ordering collection "C" or "D" are at liberty to specify the fact that they desire one or two climbing roses in the lot which would leave the collection, for example, 10 bush roses and 2 climbers, or 11 bush roses and 1 climber in collection "C," or 22 bush roses and 2 climbers, or 23 bush roses and 1 climber in collection "D." It is understood, however, that the selection of varieties is to be left to us.

SUBSTITUTION. It is almost impossible to forecast exactly what the demand will be for any particular Roses in our list, and sometimes we sell out early in the season. In placing orders, please state whether we are at liberty to substitute or not. Where we do this we will use every endeavor to give equally good or, if possible, better varieties.